Epidemiology of Bacterial Blight of Cotton: 2011 to 2015

T. W. Allen
2016 Cotton Incorporated - Bacterial Blight Review
St. Louis, MO
April 5, 2016
2011 bacterial blight distribution

AR = 6
MO = 1
MS = 11
TOTAL = 18
2012 bacterial blight distribution

AR = 1
MO = 1
MS = 25
TN = 1
TOTAL = 28
## 2012 MS cotton field survey

<table>
<thead>
<tr>
<th>Variety</th>
<th># of fields with blight</th>
<th># of fields considered</th>
<th>Percentage infected</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPL0912</td>
<td>48</td>
<td>61</td>
<td>78.7%</td>
</tr>
<tr>
<td>DPL0935</td>
<td>2</td>
<td>3</td>
<td>66.7%</td>
</tr>
<tr>
<td>DPL1028</td>
<td>24</td>
<td>24</td>
<td>100%</td>
</tr>
<tr>
<td>DPL1034</td>
<td>123</td>
<td>156</td>
<td>78.8%</td>
</tr>
<tr>
<td>DPL1048</td>
<td>28</td>
<td>33</td>
<td>84.8%</td>
</tr>
<tr>
<td>DPL1050</td>
<td>22</td>
<td>28</td>
<td>78.6%</td>
</tr>
<tr>
<td>PHY499</td>
<td>6</td>
<td>14</td>
<td>42.9%</td>
</tr>
<tr>
<td>ST5458</td>
<td>62</td>
<td>185</td>
<td>33.5%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>315</strong></td>
<td><strong>508</strong></td>
<td><strong>62.0%</strong></td>
</tr>
</tbody>
</table>

**NOTE:** information obtained from a survey of 9 MS consultants
2011 & 2012 bacterial blight distribution

AR =  7
MO =  1
MS = 25
TN =  1
2014 bacterial blight distribution

- AR = 1
- GA = 1
- LA = 5
- MO = 2
- MS = 16
- TX = 5
- TOTAL = 30
2014 bacterial blight confirmations

- **Alabama (Austin Hagan)**
  - 1 confirmed county
  - 1 confirmed variety: PHY 499 WRF

- **Arkansas (Tom Barber)**
  - 1 confirmed county
  - # confirmed variety: ???

- **Georgia (Bob Kemerait)**
  - 1 confirmed county
  - 1 confirmed variety: PHY 499 WRF

- **Louisiana (consultant; Trey Price)**
  - 5 confirmed parishes
  - 2 confirmed varieties: DPL 1321 B2RF; PHY 499 WRF

- **Mississippi (consultants; Tom Allen)**
  - 16 confirmed counties
  - 8 confirmed varieties: CG 3787 B2RF; DPL 0912 B2RF, 1028 B2RF, 1034 B2RF, 1321 B2RF; PHY 495, 499 WRF; ST 4946 GLB2

- **Missouri (consultant)**
  - 2 confirmed counties
  - 3 confirmed varieties: DG 2285 B2RF and 2570 B2RF; DPL 0912 B2RF

- **Texas (consultants; Jason Woodward)**
  - 5 confirmed counties, many more suspected
  - 2 confirmed varieties: DPL 1044 B2RF; PHY 499 WRF
2015 bacterial blight distribution

AL = 6
AR = 2
FL = 1
GA = 29
MO = 2
MS = 16
TX = 21
TOTAL = 77
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